

WHAT IS CLAIMED IS:

1. A collagen product derived from an animal, the collagen product comprising precipitated collagen from an acidic collagen dispersion, wherein the precipitated collagen is substantially pure collagen.
2. A collagen product according to claim 1, wherein the collagen is from about 98% to about 99% pure collagen.
3. A collagen product according to claim 1, wherein the precipitated collagen comprises two alpha 1(I) chains and one alpha 2(I) chain heterotrimer of collagen or type I collagen and is not derived from skin of an animal.
4. A collagen product according to claim 1, wherein the precipitated collagen comprises in mole percent about: hydroxyproline 7.192, aspartic acid 3.634, threonine 3.303, serine 2.507, glutamic acid 9.353, proline 17.134, glycine 30 , alanine 19.598, valine 2.922, methionine 1.711, isoleucine 1.034, leucine 2.356, tyrosine 0.315, phenylalanine 1.291, hydroxylysine 0.437, histidine 0.906, and lysine 4.511.
5. A collagen product according to claim 1, wherein the precipitated collagen comprises a collagen fiber or gelatin.
6. A collagen product according to claim 1, wherein the animal is at least one bird, hoofed mammal, mammal without hoofs; marsupials, amphibian, reptile or marine animal.
7. A collagen product derived from an animal without hoofs, wherein the collagen product comprises two alpha 1(I) chains and one alpha 2(I) chain heterotrimer of collagen or type I collagen and is not derived from skin of the animal.

8. A collagen product according to claim 7, wherein the collagen comprises in mole percent about: hydroxyproline 7.192, aspartic acid 3.634, threonine 3.303, serine 2.507, glutamic acid 9.353, proline 17.134, glycine 30, alanine 19.598, valine 2.922, methionine 1.711, isoleucine 1.034, leucine 2.356, tyrosine 0.315, phenylalanine 1.291, hydroxylysine 0.437, histidine 0.906, and lysine 4.511.
9. A collagen product according to claim 7, wherein the animal is a marine animal, which is a teleost.
10. A collagen product according to claim 9, wherein the teleost is at least one of swordfish, tuna, shark, mahimahi, sailfish, marlin, yellowtail, escolar, lancet fish, mackerel, flounder, carp, salmon, cod, bass, or sturgeon.
11. A collagen product according to claim 9, wherein the collagen is derived from at least one caudal tendon, pectoral tendon, caudal ray tendon, or intercostal tendon of the marine animal.
12. A collagen product according to claim 11, wherein the tendon is at least one caudal tendon, pectoral tendon, caudal ray tendon, or intercostal tendon of a tuna or shark.
13. A collagen product according to claim 1, wherein the collagen is a collagen hydrolysate.
14. A collagen product according to claim 1, which comprises from 0.01 % to 100% by weight of collagen.
15. A collagen product according to claim 1, wherein the collagen is deodorized.
16. A collagen product according to claim 1, wherein the collagen has been crosslinked by thermal dehydration, chemical treatment, and/or light.

17. A collagen product according to claim 16, wherein the thermal dehydration is carried under vacuum at a temperature between 60°C to about 130°C.
18. A collagen product according to claim 1, wherein the collagen product is at least one collagen film, collagen membrane, cosmetic collagen mask, collagen sponge, gelatin, microfibrillar collagen, hemostasis sponge, lyophilized foam, collagen injection, artificial dura or artificial skin.
19. A collagen product according to claim 1, wherein the collagen product is incorporated on or into at least one bone, cartilage, skin, screw, shaft, stent, or tube guide.
20. A collagen product of claim 18, wherein the collagen product is prepared in the form of a collagen film and dried in a stream of air or by lyophilization.
21. A method for obtaining a collagen product from a marine animal comprising: a) isolating two alpha 1(I) chains and one alpha 2(I) chain heterotrimer of collagen or type I collagen from a marine animal, wherein the collagen is not isolated from skin; and b) recovering the two alpha 1(I) chains and one alpha 2(I) chain heterotrimer of collagen or type I collagen to obtain the collagen product.
22. A method for obtaining a collagen product according to claim 21, wherein the collagen comprises in mole percent about: hydroxyproline 7.192, aspartic acid 3.634, threonine 3.303, serine 2.507, glutamic acid 9.353, proline 17.134, glycine 30, alanine 19.598, ~~valine 2.922, methionine~~ 1.711, isoleucine 1.034, leucine 2.356, tyrosine 0.315, phenylalanine 1.291, hydroxylysine 0.437, histidine 0.906, and lysine 4.511.

23. A method for obtaining a collagen product according to claim 21, wherein the collagen is derived from at least one caudal tendon, pectoral tendon, caudal ray tendon, or intercostal tendon of a marine animal.
24. A method for obtaining a collagen product according to claim 23, wherein the tendon is at least one caudal tendon, pectoral tendon, caudal ray tendon, or intercostal tendon from a tuna or shark.
25. A method for obtaining a collagen product from an animal, comprising:
alkalinizing an acidic collagen dispersion containing collagen from the animal;
and neutralizing the alkalinized collagen dispersion to precipitate the collagen;
and recovering the collagen to obtain the collagen product.
26. A method according to claim 25, wherein the collagen is in the form of a collagen fiber and is from about 98% to about 99% pure collagen.
27. A method according to claim 24, wherein the collagen comprises two alpha 1(I) chains and one alpha 2(I) chain heterotrimer of collagen or type I collagen and is not derived from skin of an animal.
28. A method according to claim 27, wherein the collagen is derived from at least one caudal tendon, pectoral tendon, caudal ray tendon, or intercostal tendon of a marine animal.
29. A method for obtaining collagen fibers from an animal, comprising: a) adding an enzyme to collagen particles obtained from the animal so as to substantially remove non-collagenous materials from the collagen particles, b) inactivating and washing the enzyme from the collagen particles; c) alkalinizing the collagen particles and neutralizing the alkalinized collagen particles with an acid to obtain a collagen dispersion, d) precipitating collagen fibers from the collagen dispersion to obtain the collagen fibers.

30. A method according to claim 29, wherein the collagen fibers are from about 98% to about 99% pure collagen.
31. A method according to claim 29, wherein the collagen fiber are not derived from skin of the animal.
32. A method according to claim 29, wherein the collagen fibers are derived from at least one caudal tendon, pectoral tendon, caudal ray tendon, or intercostal tendon of a marine animal.
33. A method according to claim 29, wherein the collagen fibers are made or incorporated into a collagen product comprising at least one collagen film, collagen membrane, cosmetic collagen mask, gelatin, collagen sponge, microfibrillar collagen, hemostasis sponge, lyophilized foam, collagen injection, artificial dura, or artificial skin.
34. A method according to claim 29, wherein the collagen fibers are incorporated into at least one bone, cartilage, skin, screw, shaft, stent, or tube guide.
35. A method according to claim 29, wherein step c) further comprises separating the collagen particles from non-collagenous materials.